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|---|--|------------------------|--|--|
| UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> | | Attorney Docket No. | 057186.000003 | |
| | | First Inventor | Jingwu Z. Zhang | |
| | | Title | T CELL RECEPTOR CDR3 SEQUENCE AND METHODS FOR DETECTING AND TREATING RHEUMATOID ARTHRITIS | |
| | | Express Mail Label No. | EV342413403US | |

17612 U.S. PRO
10/612468

ADDRESS TO: Commissioner for Patents
Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. Fee Transmittal Form PTO/SB/17 (in duplicate)
2. Applicant claims small entity status. See 37 CFR 1.27.
3. Specification [Total Pages **39**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to a sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets **6**]
5. Oath or Declaration-no signatures [Total Pages **3**]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 19 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. Application Data Sheet. See 37 CFR 1.76.
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

19. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No. _____

Prior Application Information: Examiner: _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

20. CORRESPONDENCE ADDRESS

Direct all correspondence to:

Customer Number or Bar Code Label:

| | | | | | |
|---|--|--|--|--|--|
| <input checked="" type="checkbox"/> Firm Name | BRACEWELL & PATTERSON, L.L.P. | | | | |
|---|--|--|--|--|--|

| | | | | | |
|---------|---|--|--|--|--|
| Address | Attention: J. Wendy Davis, Ph.D. | | | | |
|---------|---|--|--|--|--|

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|---------|-----------------------|--|--|--|--|
| Address | P.O. Box 61389 | | | | |
|---------|-----------------------|--|--|--|--|

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|------|----------------|-------|--------------|-----|-------------------|
| City | Houston | State | Texas | ZIP | 77208-1389 |
|------|----------------|-------|--------------|-----|-------------------|

| | | | | | |
|---------|----------------------|-----------|-----------------------|-----|-----------------------|
| Country | United States | Telephone | (713) 221-1162 | Fax | (713) 222-3271 |
|---------|----------------------|-----------|-----------------------|-----|-----------------------|

| | | | | | |
|-------------------|------------------------------|------------------|---------------|--|--|
| Name (Print/Type) | J. Wendy Davis, Ph.D. | Registration No. | 46,393 | | |
|-------------------|------------------------------|------------------|---------------|--|--|

| | | | | | |
|-----------|-----------------------|------|---------------------|---------------------|--|
| Signature | <i>J. Wendy Davis</i> | Date | <i>July 2, 2003</i> | July 2, 2003 | |
|-----------|-----------------------|------|---------------------|---------------------|--|

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **1,095.00**

METHOD OF PAYMENT (check all that apply)

1. The Commissioner is authorized to charge fee(s) indicated below and credit any overpayments to:

Deposit Account No.: 50-0259

Deposit Account Name:

BRACEWELL & PATTERSON, L.L.P.

Charge any additional fee(s) required during the pendency of this application

2. Payment Enclosed: Check

Other

None

FEE CALCULATION

1. Basic Filing Fee

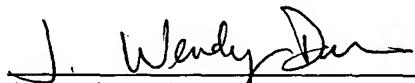
| Large Fee Code | Large Entity Fee (\$) | Small Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|---------------------|-----------------------|----------------|-----------------------|------------------------|--------------|
| 1001 | \$750 | 2001 | \$375 | Utility Filing Fee | \$ 375.00 |
| 1002 | \$330 | 2002 | \$165 | Design Filing Fee | \$ |
| 1003 | \$520 | 2003 | \$260 | Plant Filing Fee | \$ |
| 1004 | \$750 | 2004 | \$375 | Reissue Filing Fee | \$ |
| 1005 | \$160 | 2005 | \$ 80 | Provisional Filing Fee | \$ |
| Subtotal (1) | | | | \$ 375.00 | 1453 \$1,300 |
| | | | | | 2453 \$ 650 |

2. Extra Claim Fees

| Claims | Extra | Fee (below) | Fee Paid |
|---|-----------------------|---|---------------------|
| Total | 44-20** = | 24 x \$ 9.00 | = \$ 216.00 |
| Indep. | 15- 3** = | 12 x \$42.00 | = \$ 504.00 |
| Multiple Dependent | | | \$ |
| **or number previously paid, if greater | | | |
| For Reissues, see below | | | |
| Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | |
| \$ 18 | \$ 9 | Claims in excess of 20 | 1809 \$ 750 |
| \$ 84 | \$ 42 | Independent claims in excess of 3 | 1802 \$ 900 |
| \$280 | \$140 | Multiple dependent claim, if not paid | 1801 \$ 750 |
| \$ 84 | \$ 42 | **Reissue independent claims over original patent | 1803 \$ 750 |
| \$ 18 | \$ 9 | **Reissue claims in excess of 20 and over original patent | 1804 \$ 750 |
| Subtotal (2) | | \$ 720.00 | |
| | | | Subtotal (3) |
| | | | \$ -0- |

SUBMITTED BY

Date: July 2, 2003



J. Wendy Davis, Ph.D., Reg. No. 46,393
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CERTIFICATE OF EXPRESS MAIL UNDER 37 CFR 1.10

I hereby certify that this correspondence and its attachments are being deposited with the United States Postal Service as Express Mail, Express Mail Label No. EV342413403US, in an envelope on the date indicated, addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

By: *Terry Lin Ogund*

Date: *July 2, 2003*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|----------------------------------|---|---|
| In re Patent Application of: | § | Attorney Docket No.: 057186.000003 |
| Jingwu Z. Zhang et al. | | |
| Serial No.: | § | Art Unit: Unknown |
| Filed: | § | Examiner: Unknown |
| For: T CELL RECEPTOR CDR3 | § | |
| SEQUENCE AND METHODS FOR | § | |
| DETECTING AND TREATING | § | |
| RHEUMATOID ARTHRITIS | § | |

TRANSMITTAL LETTER

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are the following documents:

1. Patent Application;
2. Utility Patent Application Transmittal;
3. Fee Transmittal for FY 2003;
4. Declaration and Power of Attorney (without signatures);
5. Sequence Compliance Statement, Nucleotide and/or Amino Acid Sequence Submission CRF diskette and Specification Sequence Listing on paper;
6. Check in the amount of \$1,095 for a small entity;
7. Certificate of Express Mail Under 37 CFR 1.10; and
8. Our return postcard, which we would appreciate your date stamping and returning to us upon receipt.

I hereby authorize the Assistant Commissioner to charge any additional fees that may be required or credit any overpayment to Bracewell & Patterson Deposit Account No. 50-0259 (Order No. 057186.000003).

Respectfully submitted,

Date: July 2, 2003

J. Wendy Davis

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